Table S1. Actual climate conditions in control, cold stress and heat stress chamber under treatment and control conditions. The data represent average values ± SD of Temperature (T, °C), relative humidity (RH, %), and light intensity (Light, μmol m^{-2} s^{-1}) at day and night period.

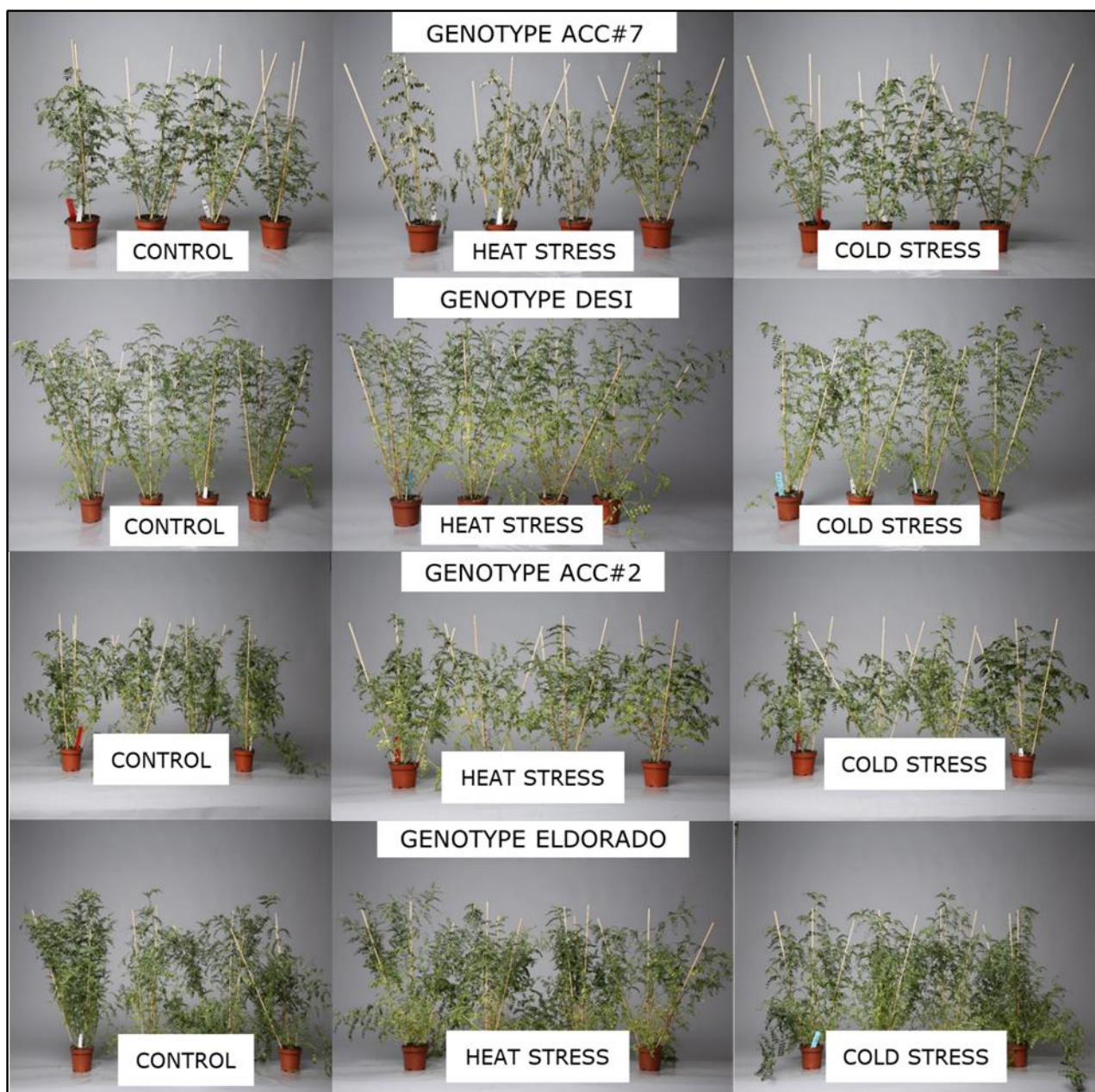| climate chamber	period	T (°C)	RH (%)	Light (μmol m^{-2} s^{-1})
control	day	23.8 ± 0.5	55.5 ± 1.1	331.8 ± 12.2
	night	19.5 ± 0.2	47.8 ± 0.5	0
cold stress	day treatment	9.1 ± 0.7	69.1 ± 2.9	308.5 ± 8.8
	night treatment	4.9 ± 0.2	73.4 ± 2.4	0
	day control	24.3 ± 0.7	63.6 ± 0.7	315.4 ± 8.2
	night control	20.3 ± 0.2	54.4 ± 0.5	0
heat stress	day treatment	36.2 ± 0.4	74.6 ± 1	351.1 ± 4.6
	night treatment	31.7 ± 0.8	64.9 ± 3.3	0
	day control	24.6 ± 1	57.5 ± 1.2	347.4 ± 10.2
	night control	19.9 ± 0.2	50 ± 1.1	0

Figure S1. Plant morphology of four chickpea genotypes at the treatments for three days: Control (25/20 °C day/night), heat stress (38/33 °C day/night) and cold stress (8/4 °C day/night).